

# Storm Data and Unusual Weather Phenomena

January 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Persons Injured	Estimated Damage Property	Crops	Character of Storm
<b>TEXAS, North</b>									
<b>TXZ132</b>									
			<b>Somervell</b>						
	<b>06</b>	<b>0950CST</b>			<b>0</b>	<b>0</b>			<b>Winter Storm</b>
	<b>07</b>	<b>0000CST</b>							
	An arctic front pushed through North Texas late on the 4th. The cold air deepened over the area on the 5th and 6th as a secondary surge of arctic air spread southward from the northern and central plains. While the cold air established itself over the southern plains, a strong upper level storm organized over the southwestern United States. Several upper level disturbances moved from the developing storm across northern Texas on the 6th. Relatively warm, moist air was lifted over the shallow arctic air near the surface, resulting in the formation of precipitation. By the time this precipitation developed, the atmosphere over much of North Texas was cold enough for snow. A band of one to three inch snows fell from Goldthwaite and Brownwood, across southern Tarrant and Dallas Counties, and into northeastern Texas. Within this 50-mile wide band there were areas of heavier snowfalls of four to six inches. Travel problems resulted in traffic accidents and school closures.								
	Four inches of snow fell across the county between 1000 am and midnight.								
<b>TXZ131</b>									
			<b>Hood</b>						
	<b>06</b>	<b>1000CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Two inches of snow fell between 1000 am and midnight. (See paragraph 1 under Somervell County for meteorological discussion of the event.)								
<b>TXZ142</b>									
			<b>Mills</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Two inches of snow accumulated on grassy areas but the snow melted on road surfaces. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ143</b>									
			<b>Hamilton</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Two to three inches of snow accumulated across the county. Heavier amounts were reported in Hamilton and in Hico where four to five inches fell. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ159</b>									
			<b>McLennan</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Sleet fell during the afternoon across the county resulting in a light accumulation. The sleet changed to snow during the evening with three inches accumulating in the town of West. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ129</b>									
<b>Eastland</b>			<b>Eastland</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Winter Weather</b>
	<b>07</b>	<b>0000CST</b>							
	Light snow during the afternoon produced a dusting on the ground across the southern portion of the county while melting on contact elsewhere. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ104</b>									
<b>Mc Kinney</b>			<b>Collin</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Winter Weather</b>
	<b>07</b>	<b>0000CST</b>							
	Snow during the afternoon and evening produced mainly trace amounts across the county, although around one half inch was reported in the southern portions. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ121</b>									
			<b>Kaufman</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Snow during the afternoon and evening accumulated to one to two inches in Forney and Terrell. Between two and three inches were reported in Kaufman and across the southern portion of the county. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ134</b>									
			<b>Ellis</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Two to three inches of snow accumulated during the afternoon and evening across much of the county. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ133</b>									
			<b>Johnson</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Two to three inches of snow accumulated during the afternoon and evening across much of the county. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								

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<b>TEXAS, North</b>									
<b>TXZ144</b>									
			<b>Bosque</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Between three and five inches of snow fell during the afternoon and evening at Meridian and Cranfills Gap. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ130</b>									
			<b>Erath</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	One to three inches of snow fell across much of the county during the afternoon and evening. Three to five inches were reported in the southern portion of the county. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ145</b>									
			<b>Hill</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Between two and four inches of snow fell across the northern portion of the county during the afternoon and evening. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ118</b>									
			<b>Tarrant</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Two inches of snow fell in southeastern Tarrant County, including Arlington, during the afternoon and evening hours with trace amounts occurring elsewhere across the county. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ119</b>									
			<b>Dallas</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Two to four inches of snow fell across the southeastern half of the county during the afternoon and evening hours. Two inches occurred in south Dallas, Grand Prairie, and Mesquite; three inches fell in Lancaster; and four inches fell in Seagoville. Less than one inch occurred in the northwestern half of the county. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ146</b>									
			<b>Navarro</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	One to two inches of snow fell across the northwest half of the county, including Corsicana, during the afternoon and evening. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ135</b>									
			<b>Henderson</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	One to three inches of sleet and snow accumulated in the northwestern half of the county during the afternoon and evening. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ120</b>									
			<b>Rockwall</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Two to four inches of snow fell across the county during the afternoon and evening. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ105</b>									
			<b>Hunt</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Two to three inches of snow fell in the southern portion of the county while up to an inch accumulated across the northern half. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ123</b>									
			<b>Rains</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Two to four inches of snow fell across the county during the afternoon and evening. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ122</b>									
			<b>Van Zandt</b>						
	<b>06</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>07</b>	<b>0000CST</b>							
	Two to four inches of snow fell across the county during the afternoon and evening. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<b>TEXAS, North</b>									
<b>TXZ107</b>	<b>Hopkins</b>								
	06	1200CST			0	0			<b>Heavy Snow</b>
	07	0000CST							
	Three to five inches of snow occurred in the southern two thirds of the county while the northern third received one to three inches. (See paragraph 1 under Somervell County for a meteorological discussion of the event.)								
<b>TXZ159</b>	<b>Mclennan</b>								
	07	2150CST			0	0			<b>Ice Storm</b>
	08	0600CST							
	During the overnight hours on the 7th and the early morning hours of the 8th, the upper level storm that had been nearly stationary over the southwestern U.S. for several days, finally moved across Texas. Ahead of the storm, strong southerly winds above the surface brought warmer air into North Texas. This layer of above freezing temperatures aloft caused the ensuing precipitation to fall in the form of freezing rain and sleet. Accumulations of ice were heaviest in the south central counties where up to an inch of glaze accumulated on trees and power lines. Widespread power outages occurred in Bell, Falls, Limestone, and southern Mclennan Counties. The precipitation changed back to light snow before it ended late on the 8th, as cold air spread back into the area behind the exiting storm system.								
	Freezing rain during the night and early morning hours produced up to one inch of ice on trees and power wires across the southern half of the county. Widespread power outages and travel problems occurred due to heavy icing.								
<b>TXZ158</b>	<b>Bell</b>								
	07	2200CST			0	0			<b>Ice Storm</b>
	08	0600CST							
	Freezing rain during the night and early morning hours made travel hazardous across the county. (See paragraph 1 under Mclennan County for a meteorological discussion of the event.)								
<b>TXZ157</b>	<b>Coryell</b>								
	07	2200CST			0	0			<b>Ice Storm</b>
	08	0600CST							
	Freezing rain during the night and early morning hours made travel hazardous across mainly the northern half of the county. (See paragraph 1 under Mclennan County for a meteorological discussion of the event.)								
<b>TXZ160</b>	<b>Falls</b>								
	07	2200CST			0	0			<b>Ice Storm</b>
	08	0600CST							
	Freezing rain during the night and early morning hours made travel hazardous across much of the county. (See paragraph 1 under Mclennan County for a meteorological discussion of the event.)								
<b>TXZ122</b>	<b>Van Zandt</b>								
	07	2200CST			0	0			<b>Ice Storm</b>
	08	0600CST							
	Freezing rain during the night and early morning hours made travel hazardous. (See paragraph 1 under Mclennan County for a meteorological discussion of the event.)								
<b>TXZ091&gt;095-098&gt;107-115&gt;123-129&gt;135-141&gt;148-156&gt;162-174&gt;175</b>	<b>Montague - Cooke - Grayson - Fannin - Lamar - Haskell - Throckmorton - Young - Jack - Wise - Denton - Collin - Hunt - Delta - Hopkins - Stephens - Palo Pinto - Parker - Tarrant - Dallas - Rockwall - Kaufman - Van Zandt - Rains - Eastland - Erath - Hood - Somervell - Johnson - Ellis - Henderson - Comanche - Mills - Hamilton - Bosque - Hill - Navarro - Freestone - Anderson - Lampasas - Coryell - Bell - Mclennan - Falls - Limestone - Leon - Milam - Robertson</b>								
	12	2000CST			0	0			<b>Winter Weather</b>
<b>Dallas</b>	13	0800CST							
	Another major winter storm developed into the southwestern United States on the 11th and 12th while arctic air remained entrenched over the southern plains. An upper level disturbance moved away from the developing storm and toward Texas late on the 12th. Precipitation developed over North Texas ahead of this disturbance as relatively warm and moist air was lifted over the shallow arctic air near the surface. Over the northwestern sections, specifically northwest of the Dallas/Fort Worth Metroplex, the atmosphere was cold enough for snow. One to two inches accumulated by daybreak on the 13th across much of Montague, Jack, Wise, Cooke, Denton, and northeastern Parker Counties. A shallow layer of above freezing air aloft caused the precipitation to fall as a mixture of sleet and snow over much of the remainder of northern Texas. This wintry mixture covered the ground in most places and accumulated up to half an inch deep in some areas. Travel problems developed, mainly on bridges and overpasses, across much of North Texas.								
<b>TXZ091&gt;095-102&gt;107-117&gt;123-131&gt;135</b>	<b>Montague - Cooke - Grayson - Fannin - Lamar - Wise - Denton - Collin - Hunt - Delta - Hopkins - Parker - Tarrant - Dallas - Rockwall - Kaufman - Van Zandt - Rains - Hood - Somervell - Johnson - Ellis - Henderson</b>								
	14	2300CST			0	0			<b>Glaze</b>
	15	1000CST							
	During the late night hours of the 14th and early morning hours of the 15th, the upper level storm moved across the southern plains. Strong southerly winds ahead of the storm brought warmer temperatures into the area a few thousand feet above the surface. The arctic air mass remained intact at the surface across the north central and northeastern areas but surface temperatures warmed above freezing across the south. When the precipitation developed early on the 15th, it therefore was able to fall as a cold rain over the entire area with the exception of north central and northeastern areas. Below freezing temperatures remained in these areas until mid-morning on the								

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					Killed	Injured	Property	Crops	
<b>TEXAS, North</b>									
15th and therefore light freezing rain produced a light glaze on exposed surfaces, and bridges and overpasses. The commute to work was treacherous for morning motorists and numerous traffic accidents resulted.									
<b>Bell County</b>									
<b>Nolanville</b>	23	1420CST			0	0			<b>Hail (0.75)</b>
<b>Bell County</b>									
<b>4 N Belton</b>	23	1435CST			0	0			<b>Hail (0.75)</b>
<b>Leon County</b>									
<b>Buffalo</b>	23	1650CST			0	0			<b>Hail (1.00)</b>
<b>Anderson County</b>									
<b>Elkhart</b>	23	1723CST			0	0			<b>Hail (1.00)</b>
<b>Anderson County</b>									
<b>4 S Elkhart to     4 SE Elkhart</b>	23	1723CST 1725CST	1	30	0	4	50K		<b>Tornado (F1)</b>

A tornado destroyed a mobile home and injured its four occupants. Another home received minor roof damage. Trees were snapped and uprooted by the tornado.